

RASOUL SANEIFARD, Ph.D., P.E.

EDUCATION:

Ph.D. Electrical Engineering (1994) New Mexico State University, Las Cruces, New Mexico
M.S. Engineering (1990) Prairie View A&M University, Prairie View, Texas
B.S. Electrical Engineering (1988) Prairie View A&M University, Prairie View, Texas

PROFESSIONAL LICENSES:

- Texas Board of Professional Engineers
- Journeyman Electrician, State of Texas

ADMINISTRATIVE EXPERIENCE:

2011- Present Chair/Vice Chair, Faculty Senate/Assembly, Texas Southern University
2002 – 2005 Chair, Department of Engineering Technology, Texas Southern University

PROFESSIONAL EXPERIENCE:

1995 - Present Assistant/Associate/Full Professor
Department of Engineering Technology, Texas Southern University
1999 – 2002 Assistant Professor
Department of Engineering Technology, Prairie View A&M University

PROFESSIONAL INVOLVEMENT:

- Program Evaluator for Engineering Technology Accreditation Commission/Accreditation Board for Engineering and Technology (ETAC/ABET): 2010-2015
- Chair Faculty Senate, Texas Southern University: 2012-2015
- Vice-Chair Faculty Senate, Texas Southern University: 2011-2012
- Chair for Programs, Engineering Technology Division of American Society for Engineering Education (ASEE) National Conference: 2012-2013
- Vice Chair for Programs, Engineering Technology Division of American Society for Engineering Education (ASEE) National Conference: 2011-2012
- Chair, Engineering Technology Division of Collaboration, Industry, and Education Conference (CIEC): 2009-2010
- Chair, Texas Southern University Rank, Tenure, Promotion, and Salary Committee: 2009-2013
- Member, Texas Southern University Faculty Hearing Committee: 2009-2011
- Member, Texas Southern University Faculty Grievance Committee: 2009-2013
- Treasurer, Texas Southern University Faculty Senate: 2009-2011

PROFESSIONAL SOCIETIES:

- Senior Member, Institute of Electrical and Electronics Engineers (IEEE)
- Member, American Society for Engineering Education (ASEE)

- Member, Texas Board of Professional Engineers (TBPE)
- Member, Texas Association of Schools of Engineering Technology (TASET)

PATENTS AND CERTIFICATES:

- October 22, 2008 - Patent Certificate #53994, Iranian Patent Department entitled, "Utilizing Speed Bumps to Generate Electric Power."
- July 8, 2008 - Copyright Certificate of Registration #TXu 1-577-212, United States Copyright Office entitled, "Utilizing Speed Bumps to Generate Electric Power."
- May 21, 2008 - Copyright Certificate of Registration #TXu 1-577-170, United States Copyright Office entitled, "Integrated Vehicle Security Alarm with Wireless Telephone Network."

PUBLICATIONS (Selected):

1. "A general approach to linguistic approximation and its application in frame of fuzzy logic deduction," International Journal of Industrial Mathematics, ISSN 2008-5621, Vol. 7, No. 3, 2015 Article ID IJIM-00628, pp 261-267.
2. "Design of an Inventory Algorithm to Evaluate Decision- Making Utilizing New Fuzzy Distance And Fuzzy Risk Analysis," Mitteilungen Klosterneuburg Publishing, interdisciplinary life science journal, Pages 261-272, January 2014
3. "Evaluating the Efficiency of School Preceptors by Fuzzy Risk Analysis," Hindawi Publishing Corporation, Journal of Mathematical Problems in Engineering, Volume 2013, Article ID 495351, March 2013.
4. "The Performance Order of Fuzzy Numbers Based on Bi-Symmetrical Weighted Distance," International Journal of Fuzzy Systems, Vol. 15, No. 1, March 2013.
5. "A New Effect of Radius of Gyration with Neural Networks," Journal of Neural Computing and Applications, ISSN 0941-0643, June 2, 2012.
6. "Correlation Coefficient Between Fuzzy Numbers Based On Central Interval," Journal of Fuzzy Set Valued Analysis, Volume 12, Year 2012.
7. "The Median Value of Fuzzy Numbers and its Applications in Decision Making," Journal of Fuzzy Set Values - ISPACS-2011.
8. "A Method for Defuzzification Based on Centroid Method," Turkish Journal of Fuzzy Systems, Vol. 2, No. 1, pp. 36-44, 2011.
9. "On The Weighted Intervals of Fuzzy Numbers," Journal of Applied Sciences Research, Vol. 7(3) pp. 229-235, 2011.
10. "An Approximation Approach of Fuzzy Numbers by Continuous Parametric Interval," Australian Journal of Basic and Applied Sciences, Vol. 5(3) pp. 505-515, 2011.
11. "A Method for Defuzzification Based on Radius of Gyration," Journal of Applied Sciences Research, Vol. 7(3) pp. 247-252, 2011.
12. "A Modified Method for Defuzzification by Probability Density Function," Journal of Applied Sciences Research, Vol. 7(2) pp. 102-110, 2011.

13. "Evaluation of Fuzzy Linear Regression Models by Parametric Distance," Australian Journal of Basic and Applied Sciences, Vol. 5(3) pp. 261-267, 2011.
14. "A Comparative Study of Defuzzification through a Regular Weighted Function," Australian Journal of Basic and Applied Sciences, Vol. 4(12) pp. 6580-6589, 2010.
15. "On the Fly Clique Partitioning for Register Allocation," Ubiquitous Computing and Communication Journal, Vol. 5 No. 2, pp 1-8, 2010.
16. "Design and Implementation of an Electromechanical System Utilizing Speed Bumps to Generate Electric Power," ASEE Journal Engineering Technology, Vol. 1 pp 15-25, fall 2009
17. "Automatic Sorting Station Utilizing Ladder Logic Programming," Proceedings of Industry, Engineering, and Management Systems International Conference, March 9-11, 2009
18. "Integrated Vehicle Security Alarm with Wireless Telephone Network," Proceedings of ASEE National Conference, June, 2008, Pittsburgh, PA
19. "Hands-Free Wireless Automatic Garage Door Opener," Proceedings of Industry, Engineering, and Management Systems International Conference, March 12-14, 2007

TECHNICAL PRESENTATIONS:

- "Traveler's Luggage Identification System Design" Texas Southern University Research Week, April 3, 2013, Houston, Texas;
- "Design and Implementation of an Electromechanical System Utilizing Speed Bumps to Generate Electric Power," February 3, 2010, Palm Springs, California;
- "Automatic Sorting Station Utilizing Ladder Logic Programming," Texas Southern University Research Week, March 31, 2009, Houston, Texas;
- "Automatic Sorting Station Utilizing Ladder Logic Programming," IEMS International Conference, March 10, 2009;
- "Utilizing Speed Bumps to Generate Electric Power," Texas Southern University Research Week, April 4, 2008, Houston, Texas;
- "Hands-Free Wireless Automatic Garage Door Opener," Industry, Engineering, and Management Systems International Conference, March 13, 2007, Coca Beach, Florida;
- "Digital Design and Implementation of a Sampled-Data Controller," Texas Southern University Research Week, April 4, 2007, Houston, Texas;

GRANTS AWARDED:

- 2010 - Travel Grant in the amount of \$754.42 to present a paper in Palm Springs, CA;
- 2003 - Texas Instrument's Digital Signal Processing Grant - \$15,940;
- 2001 - Prairie View A&M University Organized Research Grant - \$7,000;
- 2000 - Laboratory Development Grant - \$50,000 - Houston Endowment, Inc.-
Prairie View A&M University;
- 1998 - Travel Grant in the amount of \$500 to present a paper in New Orleans, LA;

- 1995 - Texas Southern University Organized Research Grant - \$3,000
"Design of an Expert System to Control the Manufacturing Process of High-Precision Hexagonal-Shaped Nuts."